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NIGHT VISION & REMOTE

PAN/TILT ROTATE

User Manual

WELCOME

This model IP Camera is an integrated wireless IP Camera solution. It combines a high quality digital Video Camera with network connectivity and a powerful web server to bring clear to your Desktop from anywhere on your local network or over the Internet.

The basic function of it is transmitting remote video on IP network. The high

Quality video image can be transmitted with 30fps speed on the LAN/WAN by using

MJPEG hardware compression technology.

This is based on the TCP/IP standard. There is a WEB server inside which could Support Internet Explore. Therefore the management and maintenance of your device become more simply by using network to achieve the remote configuration, start-up and upgrade firmware.

You can use this IP CAMERA to monitor some special places such as your home and your office. Also controlling and managing images are simple by clicking the website through The network.

NOTE: you can use the IP Camera Step by Step

Features

- **Powerful high-speed video protocol processor**
- **High-sensitivity 1/4 CMOS sensor**
- **Picture Total 300k Pixels**
- **Video Frame Rate:30fps(QVGA), 15fps(VGA)**
- **Resolution:640 x 480(VGA), 320 x 240(QVGA)**
- **Light Frequency:50Hz, 60Hz or Outdoor**
- **Optimized MJPEG video compression for transmission**
- **Multi-level users management and passwords definition**
- **Embedded Web Server for users to visit by IE**
- **Support wireless network (WiFi/802.11/b/g)mobile**
- **Supporting Dynamic IP(DDNS)and UPNP LAN and InternetGiving alarm in cause of motion detection**
- **Supporting image snapshot**
- **Support multiple network protocols：HTTP，TCP/IP，UDP，STMP，DDNS，SNTP，DHCP，FTP**
- **Support remote system update**

Advanced Features

Multi-Protocol support and Transportation

IP CAMERA supports Multi-Protocol such as TCP/IP, SMTP and HTTP. Sending the image to your mailbox automatically when the IP CAMERA is triggered.

Video Image PTZ function

Users can control the camera direction on the video image.

Motion Detection

Your may use the internal Motion Detection function or external sensor to trigger images Recording and transportation. Alarm sensor input/output.

The detection sensor sends an alarm and records by itself when there is a fire or accident. A message as an email is sending to you by this sensor,(The input/output discreteness can be chosen)

DDNS support

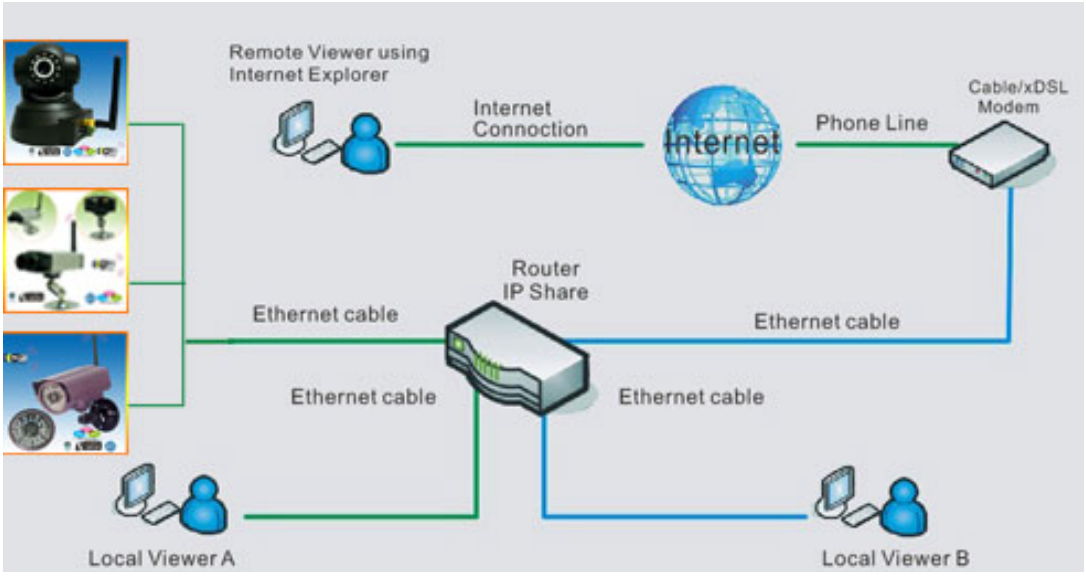
Using it in the condition which including ADSL and IP change often is more convenient, because IP CAMERA provides dynamic DNS function.

Advanced User Management

Only allowing authorized users access to real-time images of IP Camera.

Start up your computer, and make sure it connects to the LAN successfully.

Connect IP Camera — Wire/Wireless Router — PC/NOTBOOK via Network Cable.



Click Start>Running, and enter “command” (for Windows 95/98/ME) or “cmd”

(for Windows2000/XP). Then select “OK” and enter “ipconfig”, press enter.

C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [版本 5.1.2600]
(C) 版权所有 1985-2001 Microsoft Corp.
C:\Documents and Settings\flyer>ipconfig
Windows IP Configuration
Ethernet adapter 本地连接:
Media State . . . . . : Media disconnected
Ethernet adapter 无线网络连接:
Connection-specific DNS Suffix . :
IP Address. . . . . : 192.168.11.2
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.11.1
C:\Documents and Settings\flyer>

The basic setting of your network will be shown as follow: Please record the IP Address, Subnet Mask, and Default Gateway. (For example : MY router ip address is 192.168.11.1)

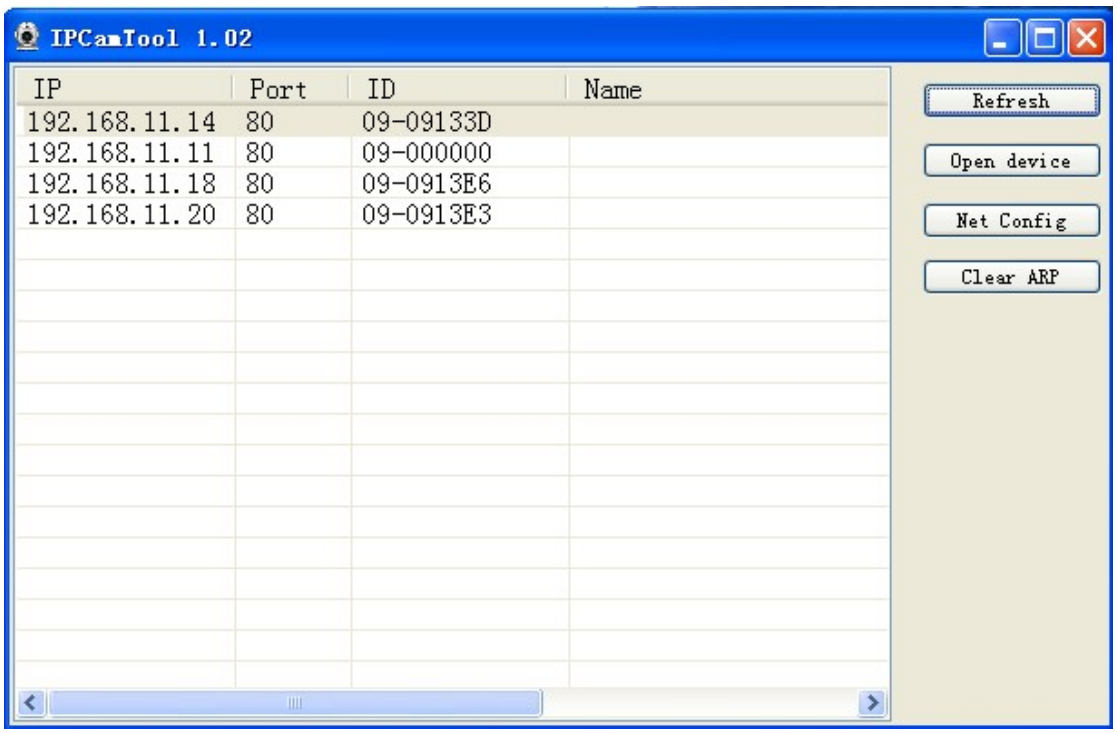
You might use this information to set your device.

Insert the accessory CD into the CD-ROM,.

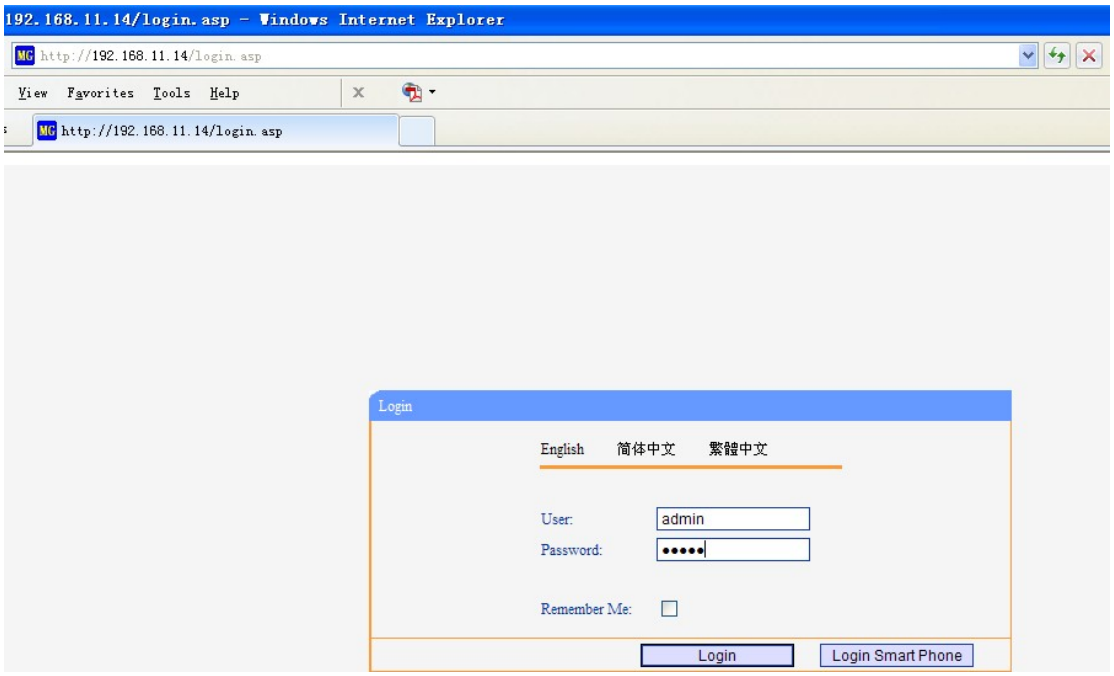
Open come with CD

1)Install OCX.exe.

2)Double click



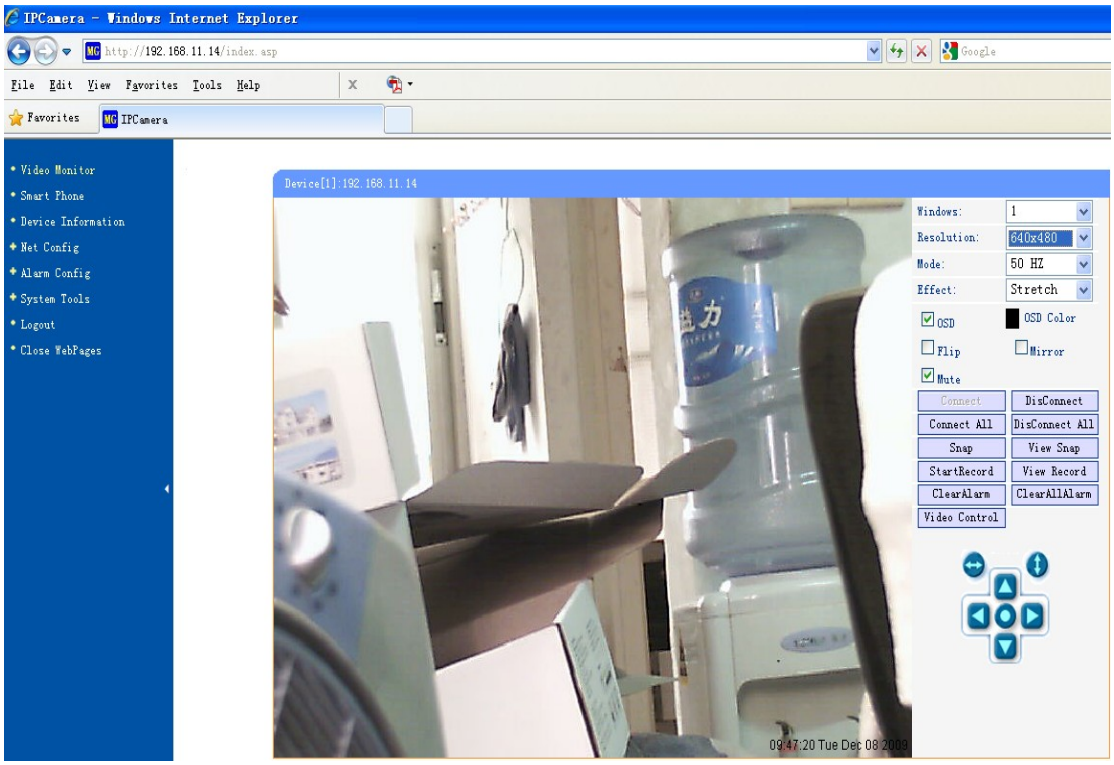
3)Choice IP address → Open device->IE Browse login



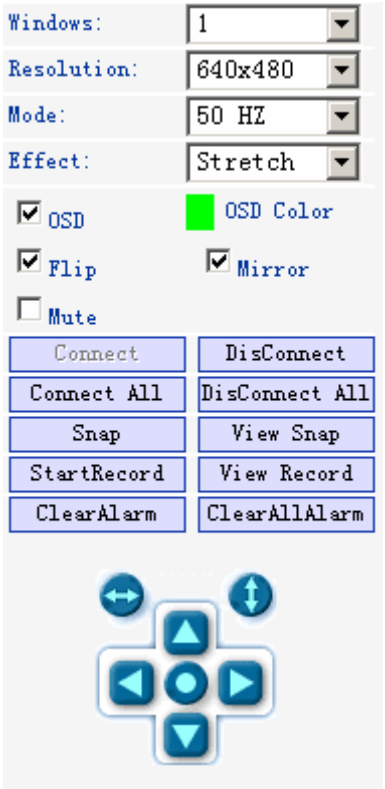
Input Default User name:admin

Password:admin

Login ip camera 1)video monitor



Video attribute settings and PTZ(Pan/Tilt/Zoom) control operations



Function Description:

Window: the window is defined as video window number shown in the video region ,the current maximum of which were 36.

Resolution: the size of the currently selected video. Currently supports two sizes: 640x480 and 320x240.

Mode: set the video light mode, and remove the jitter impact of the image as per the electricity frequency. The following three modes are used: 50HZ/60HZ /outdoor model. Generally, indoor mode use 50Hz or 60Hz, outdoor mode should be set as per the real camera working environment.

Effect: when the video window is greater than the specified video size, two options will be offered, try to show the video window in center or stretch the image to the real size of the window.

Flip: the video upside down.

Mirror: Reverse the video.

Mute: Check to close/open audio.

OSD, OSD color: Display the date/time and the color when displaying.

Connection: When the video camera window specifies IP address, click on this button and video from the connected camera will be displayed. In the opening pages of video surveillance, it will automatically connect the camera and video will come.

Disconnect: Disconnect the video connection, and stop displaying video. If video recording is ongoing, the operation will stop simultaneously.

snap: Photographing and save the photographed image.

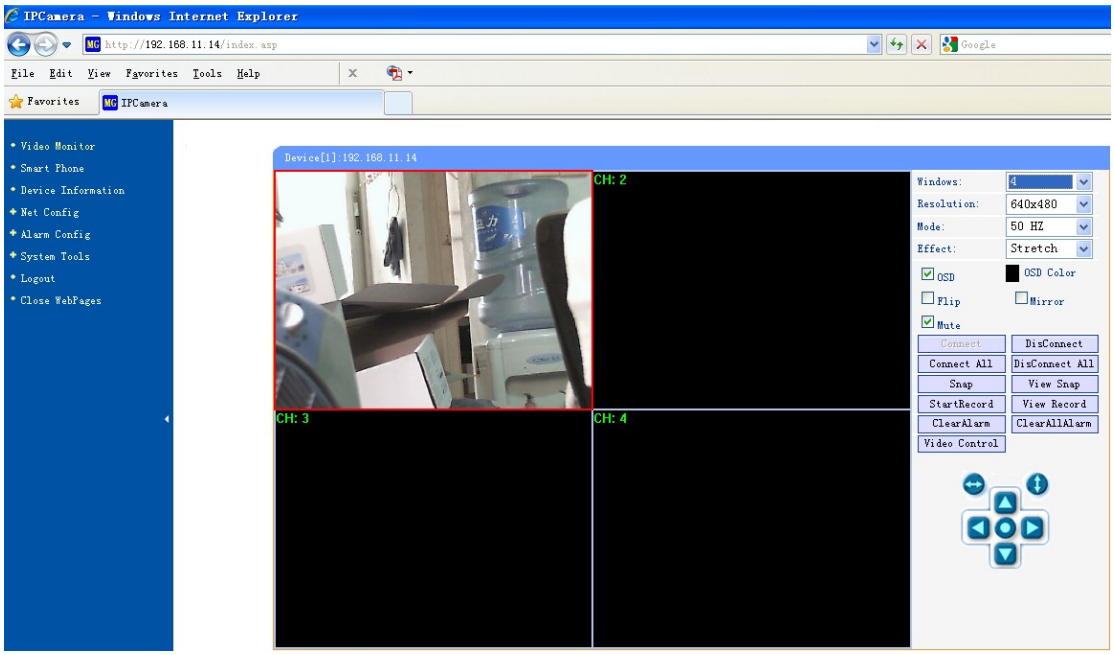
View snap: Open image folder to view the pictures.

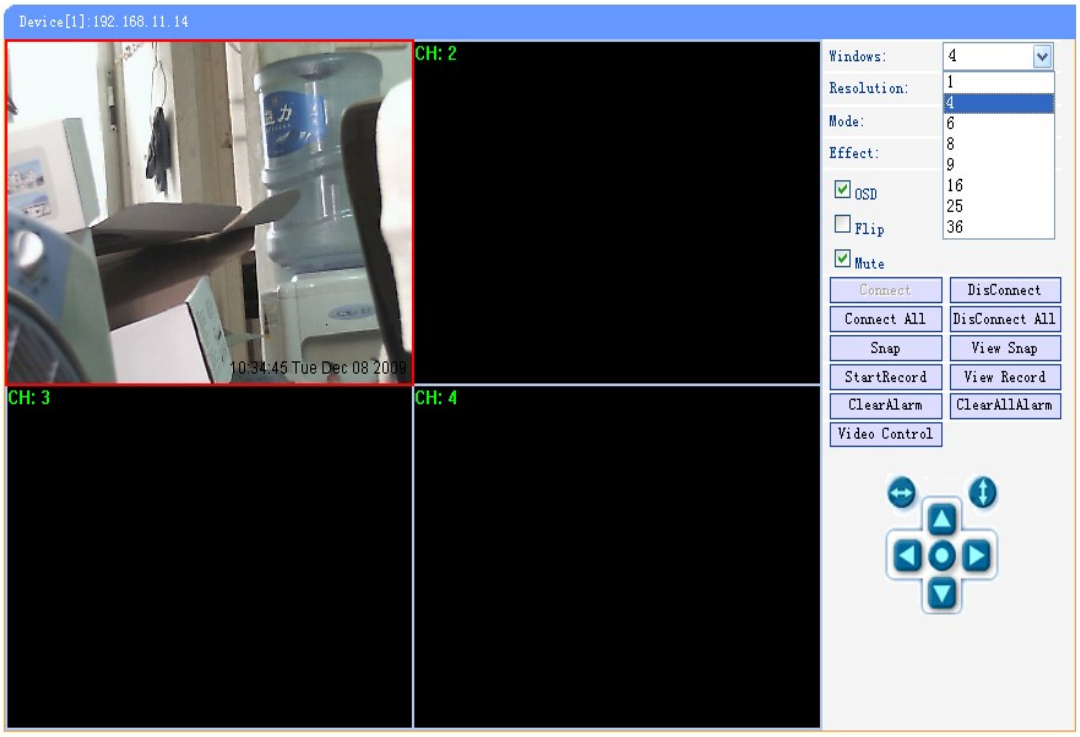
Start/Stop the video record: Start or stop the video record.

view the video: Open video folder and view the saved video segments.

ClearAlram/ClearAllAlarm: Stop alarm of current channel or all channels.

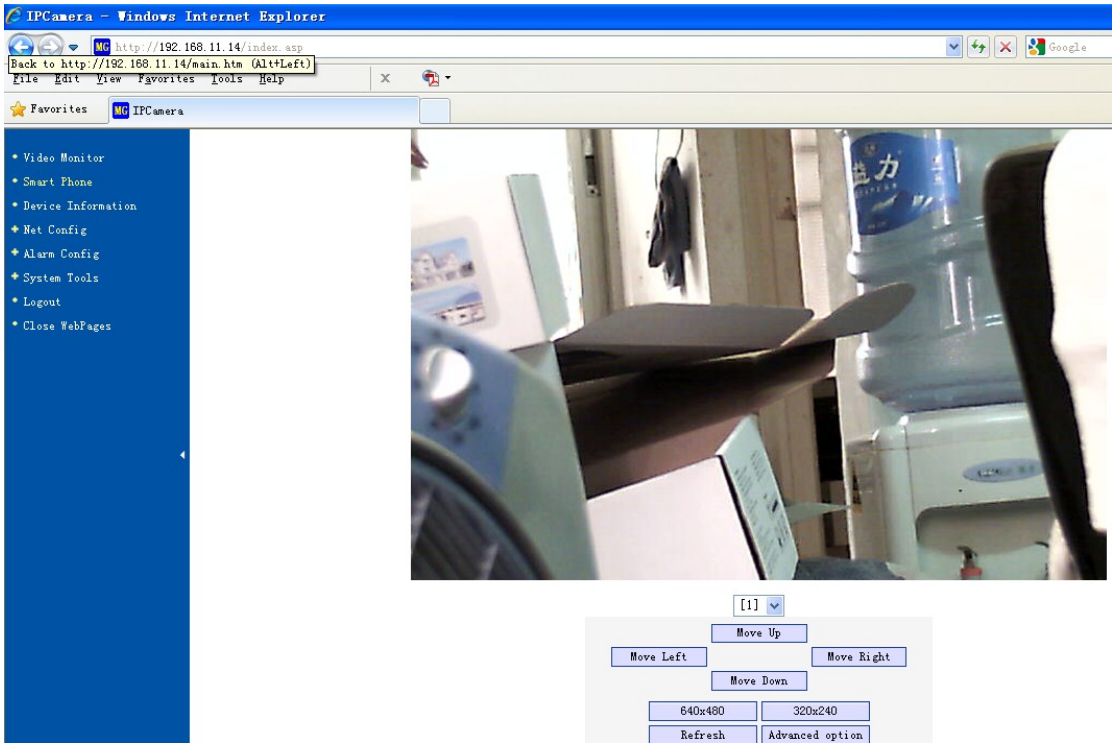
Video operation interface is shown as follows:





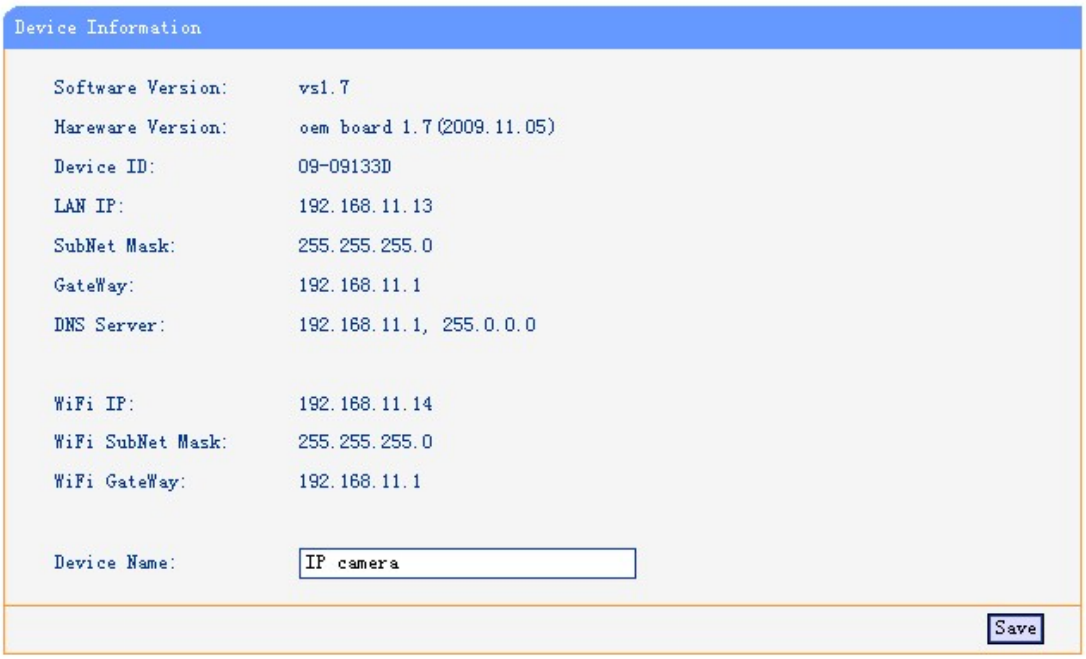
Description: when the window is selected, the border of the window will become red. Double-click to select the screen, and the screen automatically changes to full-screen mode. To return to its original state, please double-click the screen again.

smart phone



Device Information

Display the status information of the device.



Note: The device name can be changed:

1, User can customize the name of the device in order to distinguish different equipments.

2, When the video surveillance equipment connected, the page will show the device and the name.

3, The search tool can also display the searched device names.

3: Net config: set up network-related parameters.

3.1: IP settings

The set supports two modes of distribution network address:

1, to obtain IP address automatically (DHCP): Select DHCP, device will automatically obtain the IP, which is not fixed (this feature requires the router to support DHCP protocol, and this feature should be activated).

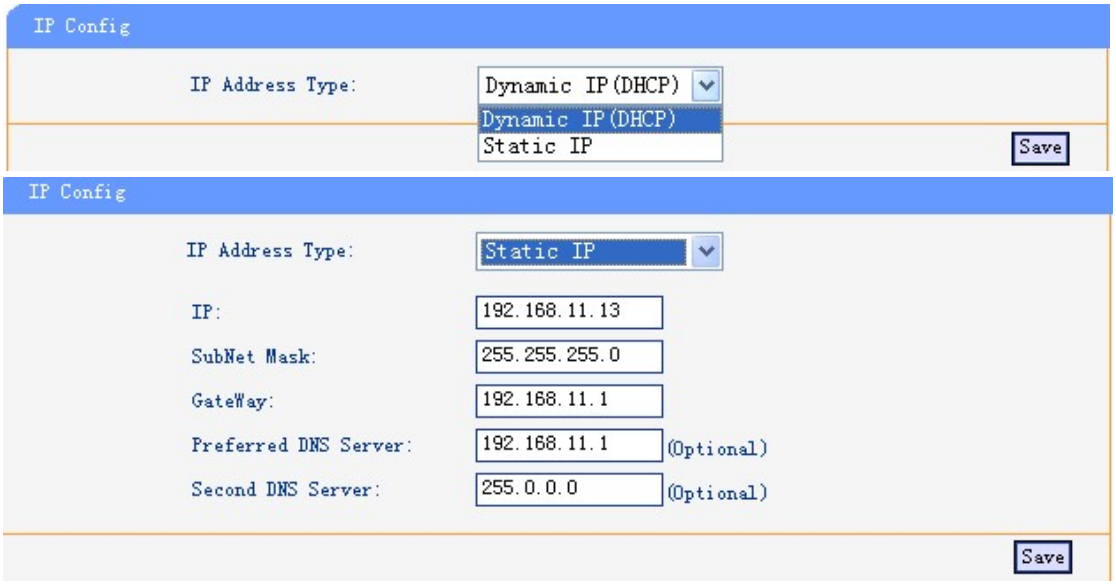
2, using the specified IP address (static IP): To specify the equipment IP, it is required to manually fill in IP address.

Select the required mode, fill in relevant information by the Depositary and click on the “Save” button. This function of equipment need to restart to take effect.

Net Config:

IP Config

1) **The set supports two modes of distribution network address:**
2) **1, to obtain IP address automatically (DHCP): Select DHCP, device will automatically obtain the IP, which is not fixed (this feature requires the router to support DHCP protocol, and this feature should be activated).**
3) **2, using the specified IP address (static IP): To specify the equipment IP, it is required to manually fill in IP address.**
4)
5) **Select the required mode, fill in relevant information by the Depositary and click on the "Save" button. This function of equipment need to restart to take effect.**



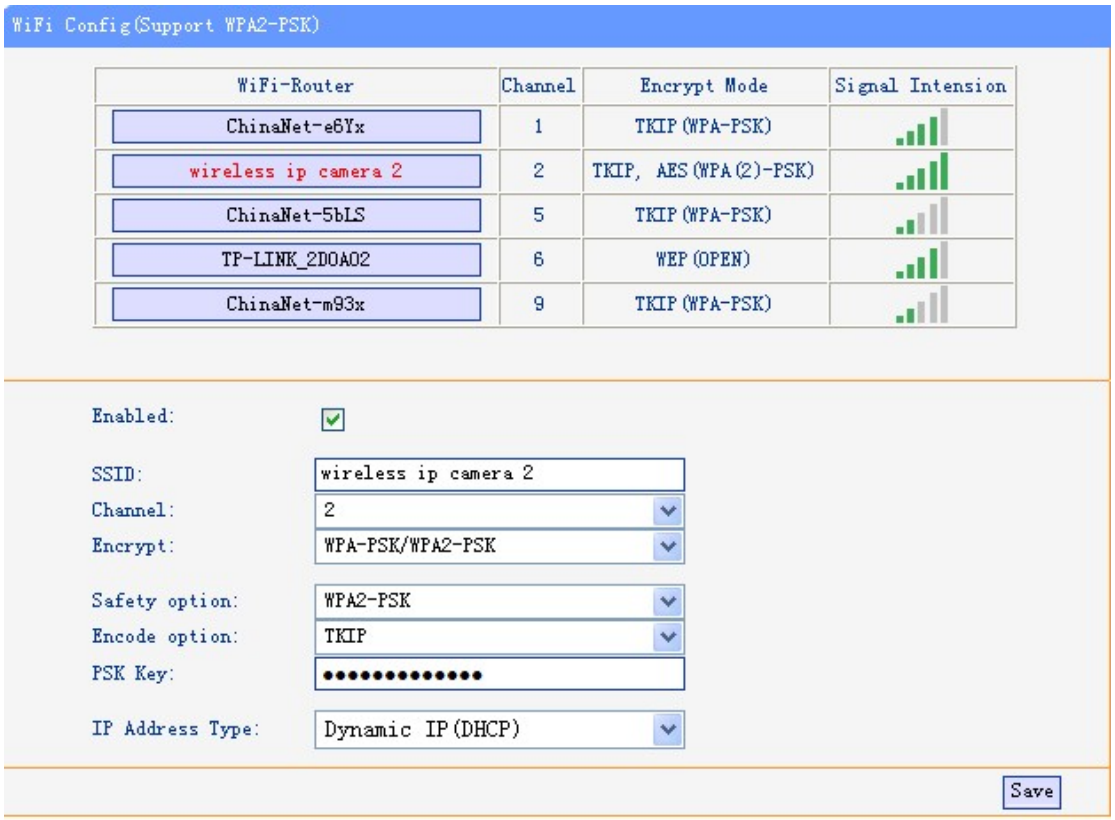
Note: It is use set wire IP camera IP address.

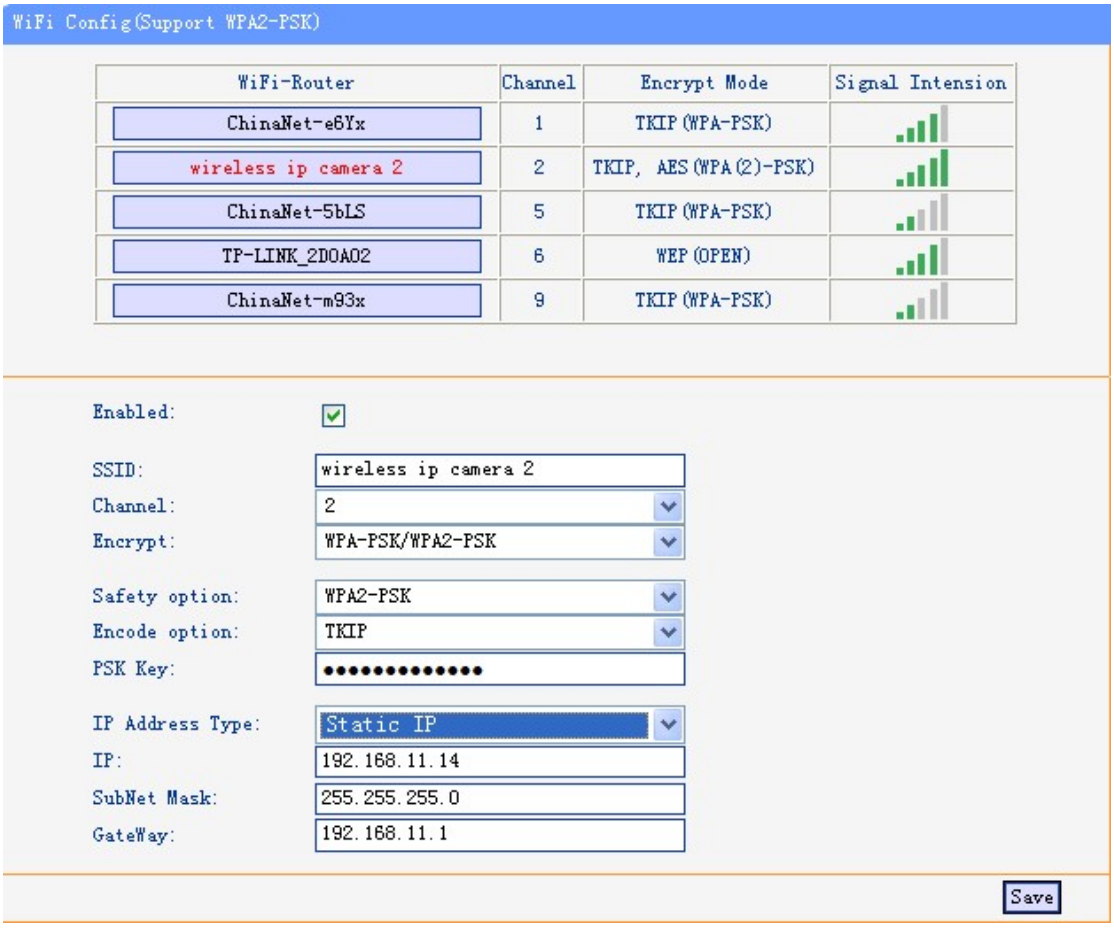
WIFI Config

This function is Use Wifi IP Camera

After setting up WiFi parameters, such as Password, Authentication parameters, please select "Enable" and restart the device. Then, the user will be able to access the network through a wireless network of cameras. (Wireless settings must be in strict accordance with the password authentication method parameters of the wireless router, otherwise, it can not connect wireless network

For example:


WiFi Config(Support WPA2-PSK)
WiFi-Router
Channel
Encrypt Mode
Signal Intension
ChinaNet-e6Yx
1
TKIP(WPA-PSK)
wireless ip camera 2
2
TKIP, AES(WPA(2)-PSK)
ChinaNet-5bLS
5
TKIP(WPA-PSK)
TP-LINK_2D0A02
6
WEP(OPEN)
ChinaNet-m93x
9
TKIP(WPA-PSK)
Enabled:
SSID:
wireless ip camera 2
Channel:
2
Encrypt:
WPA-PSK/WPA2-PSK
Safety option:
WPA2-PSK
Encode option:
TKIP
PSK Key:
IP Address Type:
Dynamic IP(DHCP)
Save


WiFi Config(Support WPA2-PSK)
WiFi-Router
Channel
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ChinaNet-e6Yx
1
TKIP(WPA-PSK)
wireless ip camera 2
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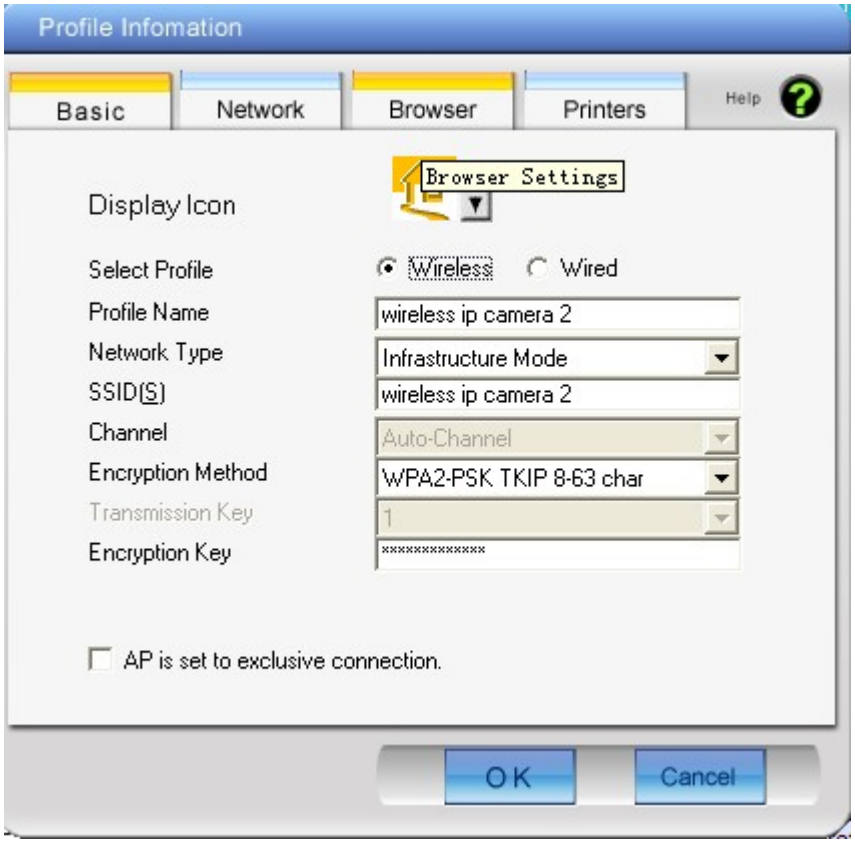
ChinaNet-5bLS
5
TKIP(WPA-PSK)
TP-LINK_2D0A02
6
WEP(OPEN)
ChinaNet-m93x
9
TKIP(WPA-PSK)
Enabled:
SSID:
wireless ip camera 2
Channel:
2
Encrypt:
WPA-PSK/WPA2-PSK
Safety option:
WPA2-PSK
Encode option:
TKIP
PSK Key:
IP Address Type:
Static IP
IP:
192.168.11.14
SubNet Mask:
255.255.255.0
GateWay:
192.168.11.1
Save

You choice the SSID name same to router and you make sure

You PC->wireless router Encrypt: WEP /WPA2-PSK-TKIP



Dynamic DNS

This equipment support dynamic DNS of www.dyndns.org. Enter the applied dynamic domain name, user name, password, and click “Save” to access device through WAN.

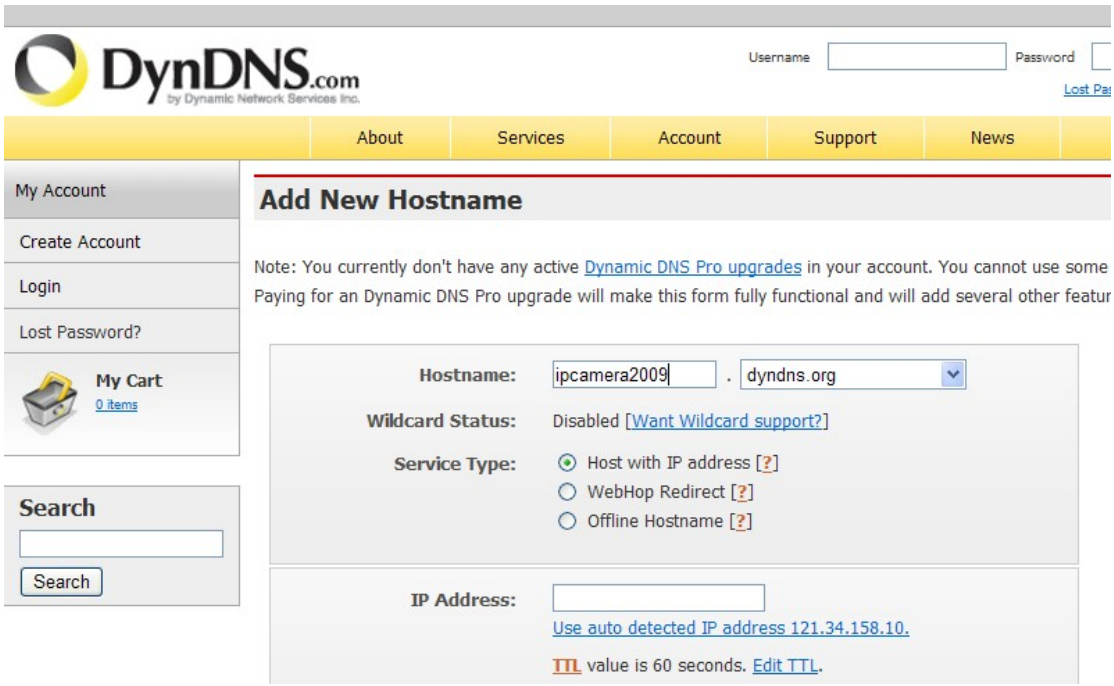
if you need see interenet or cellphone

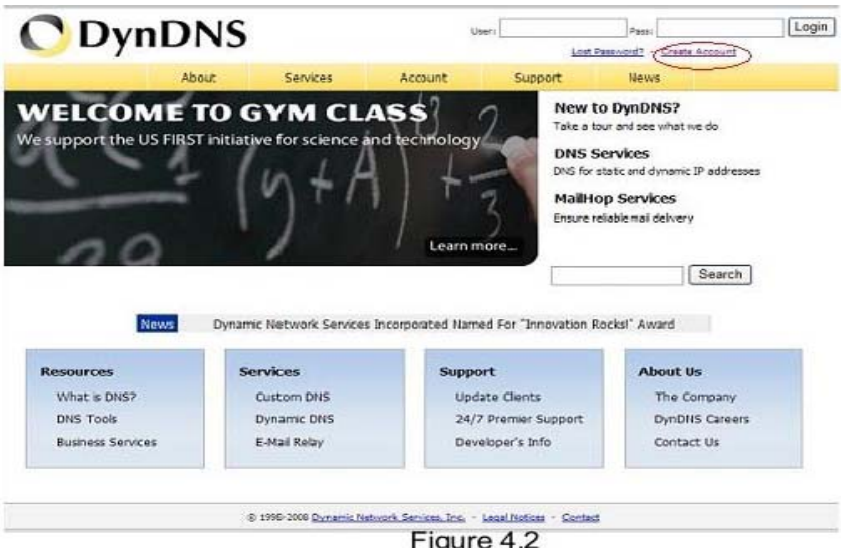
When use this function you need you need register a DDNS (xxx.dyndns.org) in WWW.dyndns.com

login in you wireless router set port forwarding and upnp

1)

Step 1: enter http://www.dyndns.com/ and **Create**





Account Figure 4.2

Step2: enter your information

Figure 4.3

Step3: After a minute, you will receive a E-mail from **DynDNS Support** and it will give you a confirmation address
(e.g. https://www.dyndns.com/account/confirm/vXMVT78-KvenhydmKMWH5kg)

Step4: When the Account Confirmed, login and start using your account. Choose Add Host Services(Figure 4.4) and enter Add New Hostname (Figure 4.5) page.

Figure 4.4

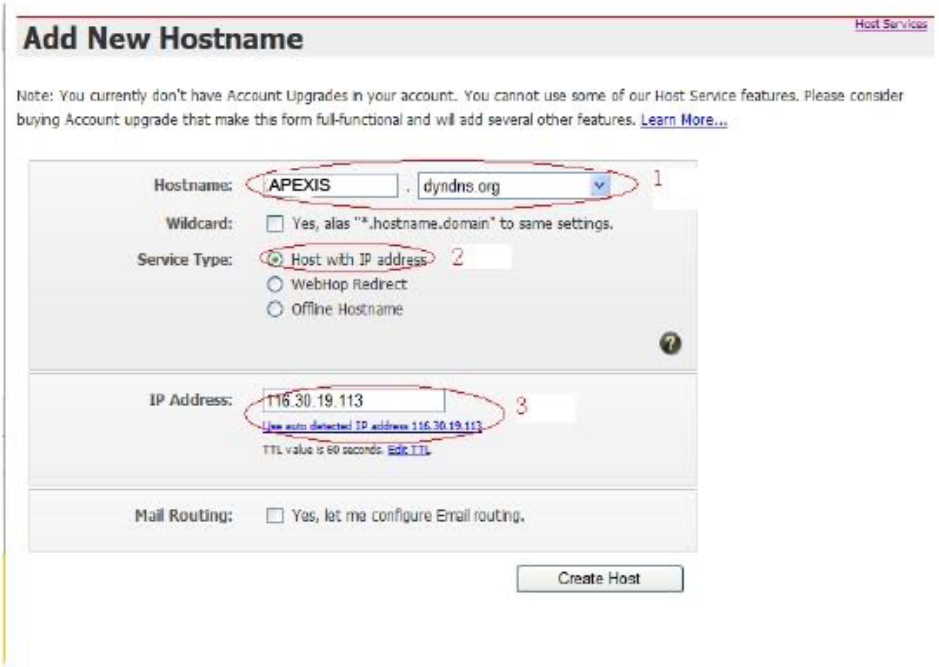

Add New Hostname
Host Services
Note: You currently don't have Account Upgrades in your account. You cannot use some of our Host Service features. Please consider buying Account upgrade that make this form full-functional and will add several other features. Learn More...
Hostname:
APEXIS
dyndns.org
1
Wildcard:
Yes, alias "*.hostname.domain" to same settings.
Service Type:
Host with IP address
2
WebHop Redirect
Offline Hostname
IP Address:
116.30.19.113
3
Use auto detected IP address 116.30.19.113
TTL value is 60 seconds Edit TTL
Mail Routing:
Yes, let me configure Email routing.
Create Host

Figure 4.5

Step5: On the **Add New Hostname** page

1) input your Hostname.

2) Choose **Host with IP address**

3) Click Use auto detected IP address xxx.xx.xx.xxx Then click **Create Host**.

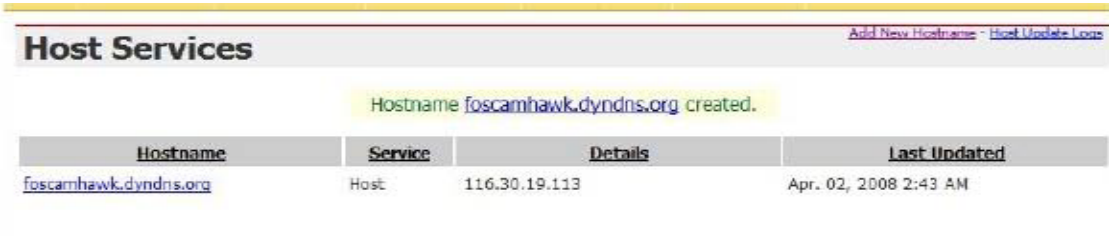
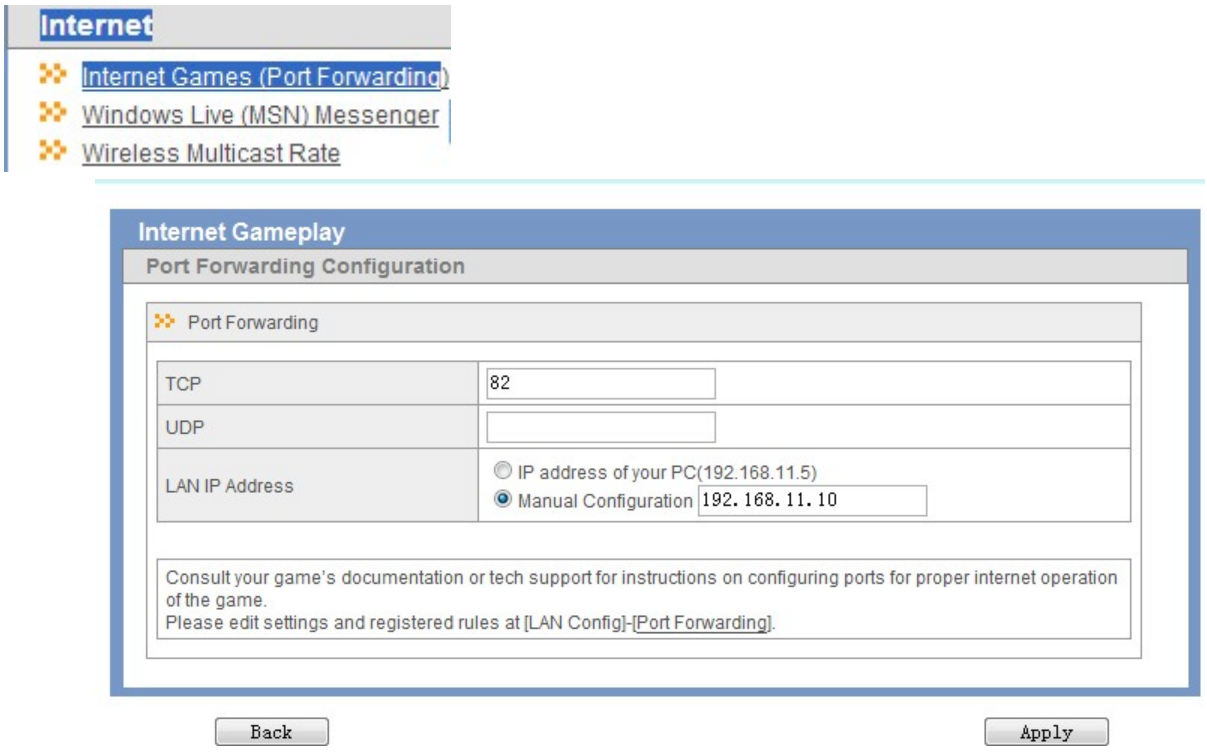
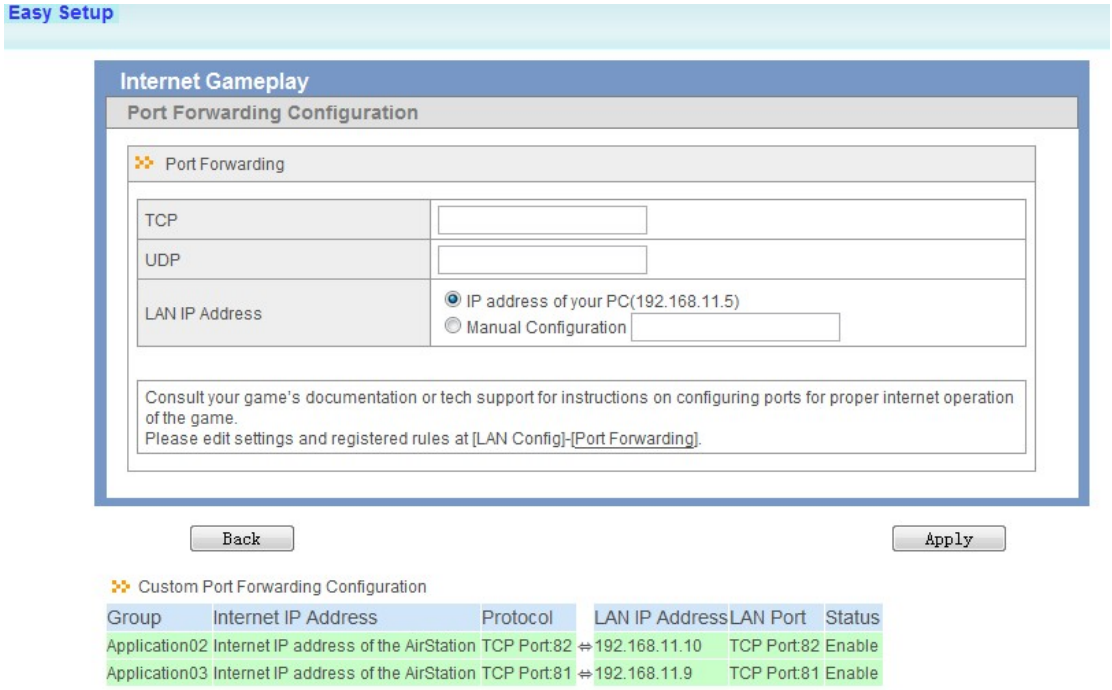


Figure 4.6

Step6: Now you obtained a Dynamic Domain Name(Figure 4.6), and can use it in **the DDNS Service Settings**

2)

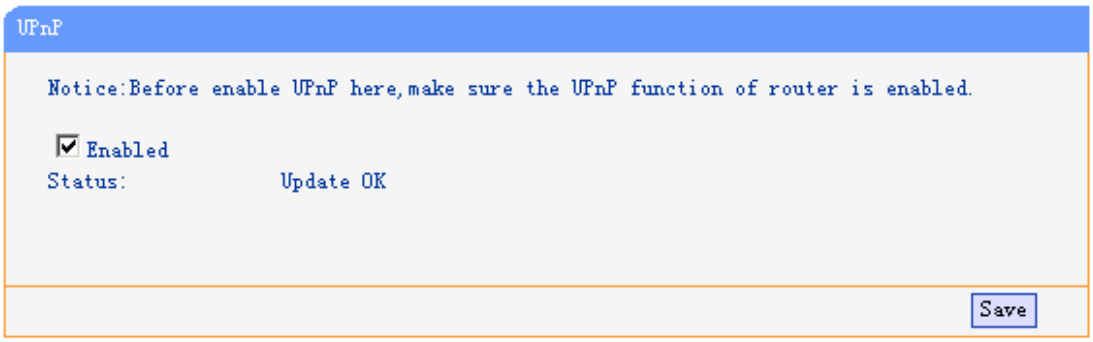



Easy Setup
Internet Gameplay
Port Forwarding Configuration
Port Forwarding
TCP
UDP
LAN IP Address
IP address of your PC(192.168.11.5)
Manual Configuration
Consult your game's documentation or tech support for instructions on configuring ports for proper internet operation of the game.
Please edit settings and registered rules at [LAN Config]-[Port Forwarding].
Back
Apply
Custom Port Forwarding Configuration
Group Internet IP Address Protocol LAN IP Address LAN Port Status
Application02 Internet IP address of the AirStation TCP Port:82 192.168.11.10 TCP Port:82 Enable
Application03 Internet IP address of the AirStation TCP Port:81 192.168.11.9 TCP Port:81 Enable

3)

upnp settings

Upnp is to realize automatic port mapping function. If the camera is connected to a router, In order to access to the cameras through WAN, it is required to open a specified port of the router to the camera. (This feature requires router support, and this feature should be open. Without this feature, you need to manually set up port mapping in the router). If the upnp enabled successfully, the below figure will be displayed.



Port config

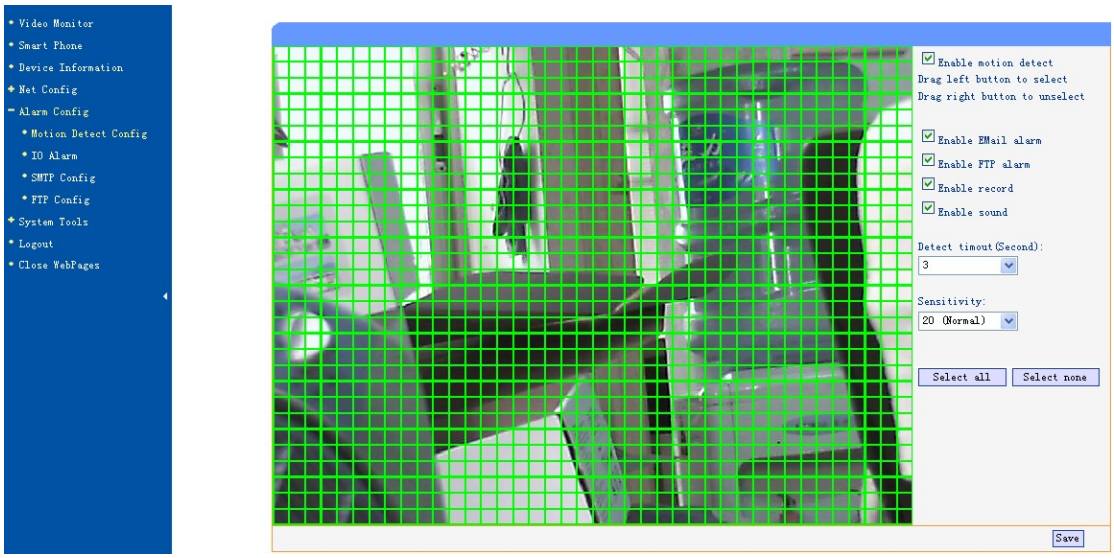
This page is used to set the camera's external ports, the default value of 80. If you want to visit the multiple cameras in a same local area network through WAN, in order to distinguish different cameras, each camera needs a different port, such as 81, 82, etc. and so on.

Port Config
Notice: • Default port is 80. If it's changed,for example,change it to 88,you use use access device by IP:port,such as http://192.168.1.2:88
Port: 80
Save

Alarm camera settings are used to set the alarm function of network camera. When external alarm signal is triggered, alarm will come. The alarm device can be high sound alarm device or sound &light alarms device. If the user has set up e-mail function, fill in the corresponding mailbox address to receive mail. An alarm mail will be sent to the user. Wiring diagram is as follows.

Motion detect config

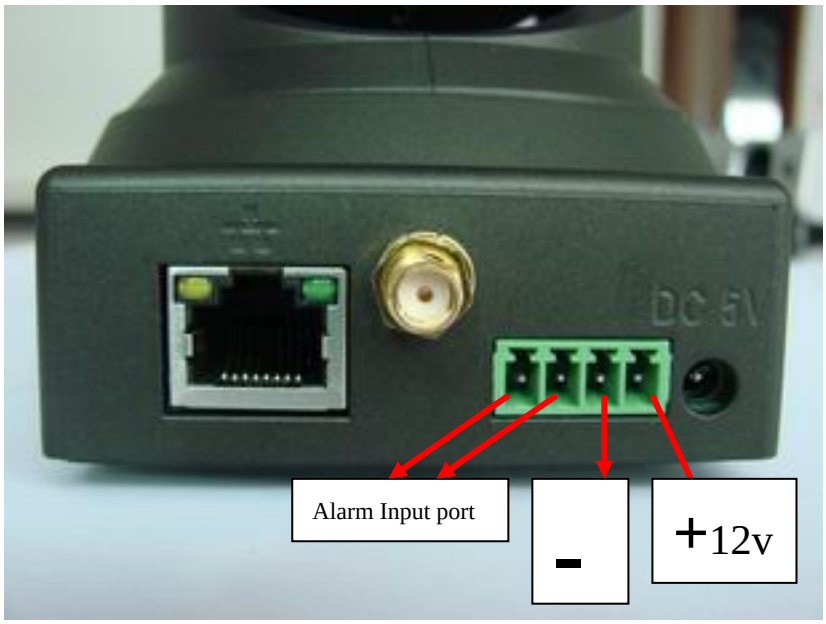
The IPCamera can do motion detect and trigger some action if necessary, such as upload picture to FTP, send email with picture as attachment, or start record automatically.



You can choice High ,Medium, Low

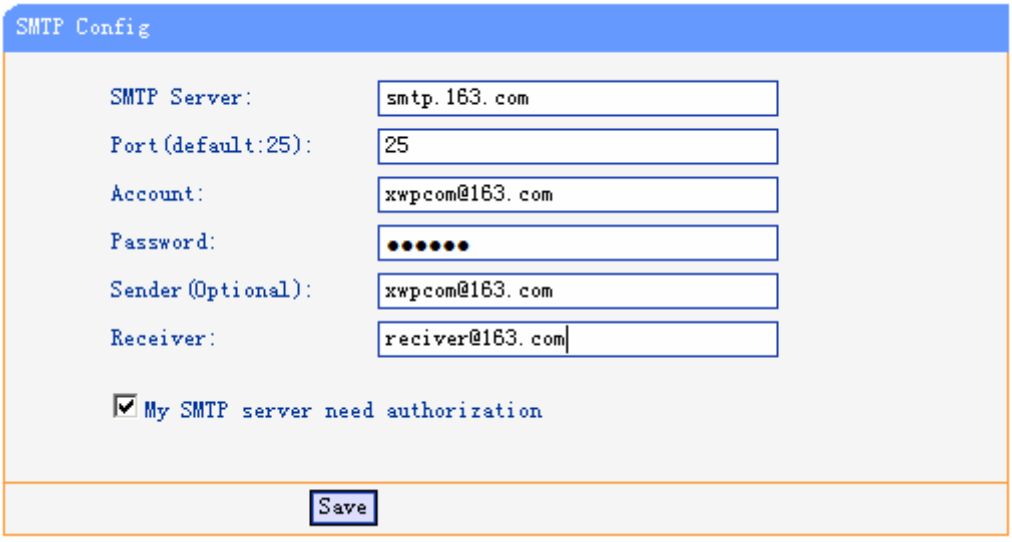
IO Alarm

Enable or disable IO alarm at this page



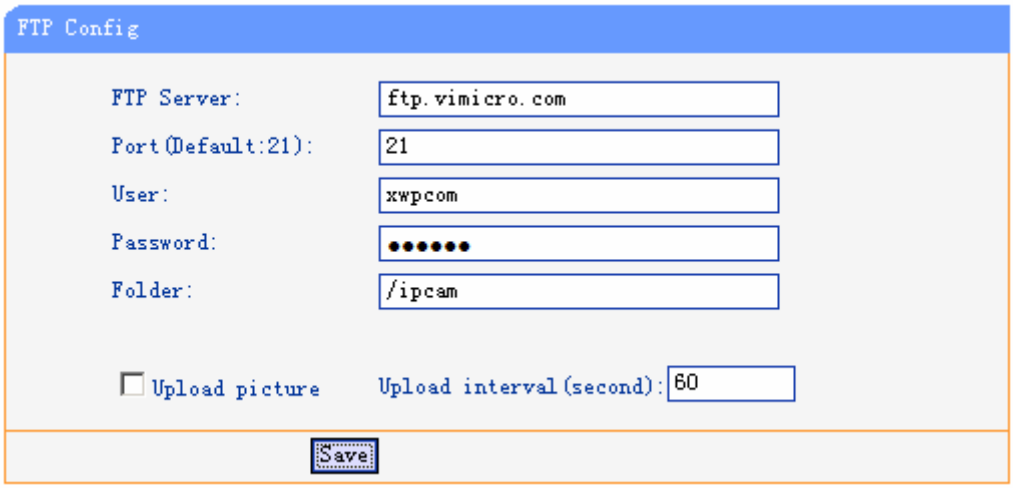
SMTP config

Provide email sender information here, which is need for send email when motion detects or other alarm is occurring.



FTP config

Fill FTP information here, which is need to upload images to FTP server.



Chapter VII of the System Tools

Restart the equipment

When settings changes happen, it is required to restart your device to the changes to take effect, you can click on the page "Reboot Device" to enable the device to restart. Another 20 seconds is needed to finish the device initialization.

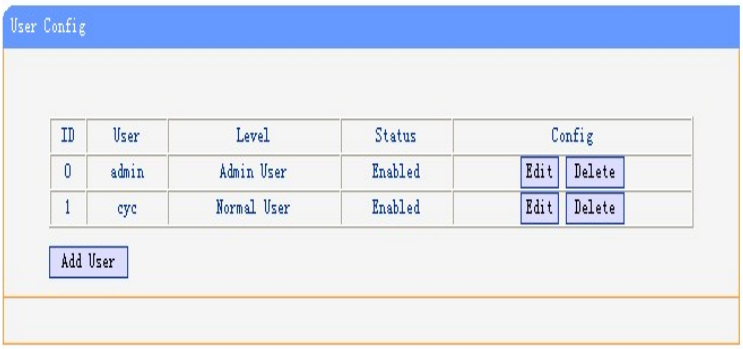
7.2 to restore the factory settings

Click "reset configt" will enable the device to restore all settings to factory default, the default user name and password are both “admin”.

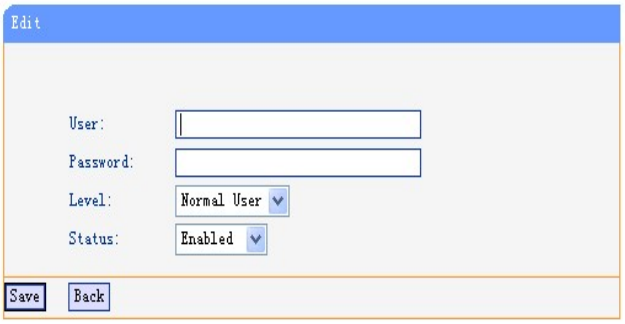
Note: The factory default settings using DHCP to obtain IP address. After restoring the factory settings, device IP address may be different from the one before restoration. Please use the search tool to search for equipment. And obtain the corresponding IP.

7.3 User Management

In this page, user permissions management is applied. According to different users name, different operating authority setting can be configured. Administrator has the privilege to operate all functions of the camera. Ordinary users can only watch the video and implement PTZ operations. And visitors can only see the video.



The following are the Edit and Modify interface:



Users can be enabled or disabled. The disabled users can’t log on equipment page.

Description: user "admin" is the super-administrator user, who can set up and operate all the functionalities of all the networking cameras.

7.4 Multiple Devices Manager

In this page, not only the main video, but also additional device can be connected be automatically.

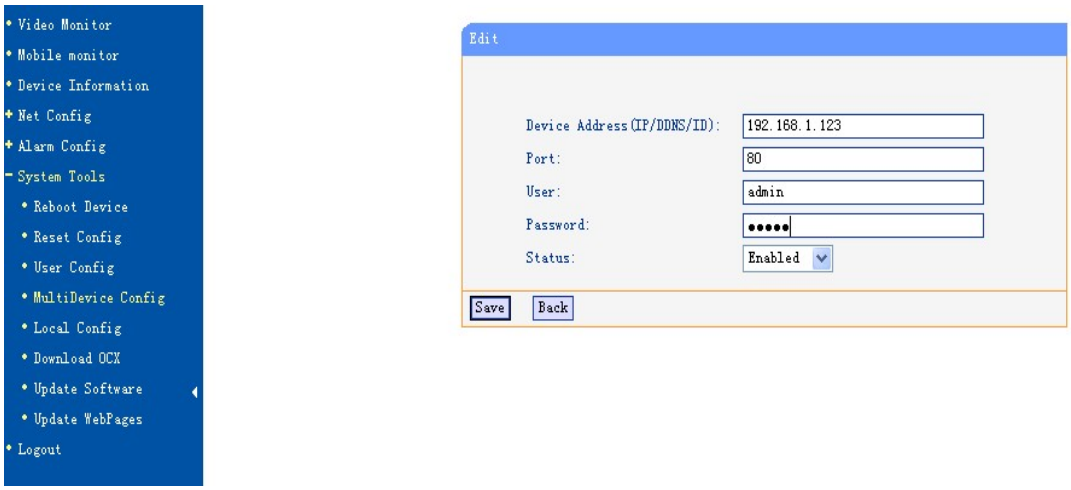
This page is for the maintenance of additional equipment, create, modify, and delete equipment.

The main equipment is always displayed on the video channel 1 (CH 1), followed by additional equipment.

Additional equipment can be "move up" or " move down" to adjust- its order in the video surveillance page.

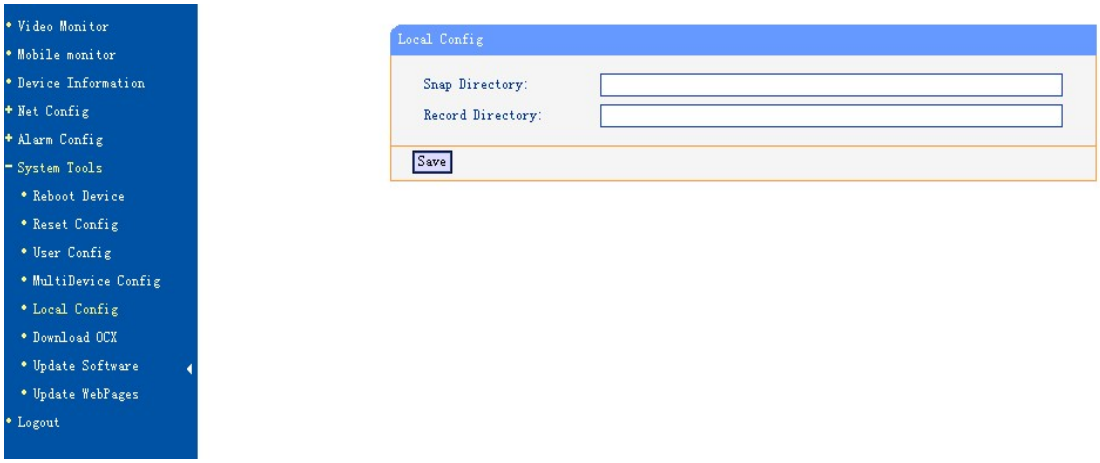
Additional equipment can be disabled, and the disabled device will not appear in the video surveillance page

The next figure describe how to add/edit the additional device.



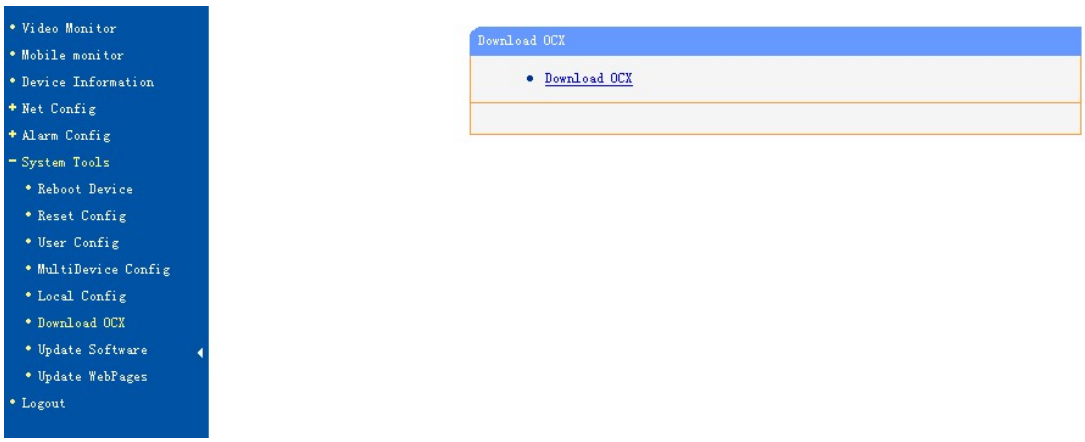
7.5 Local config

To set video recording and photographing saving directory, it is required to input save path in "captured photo file" and "video record file".



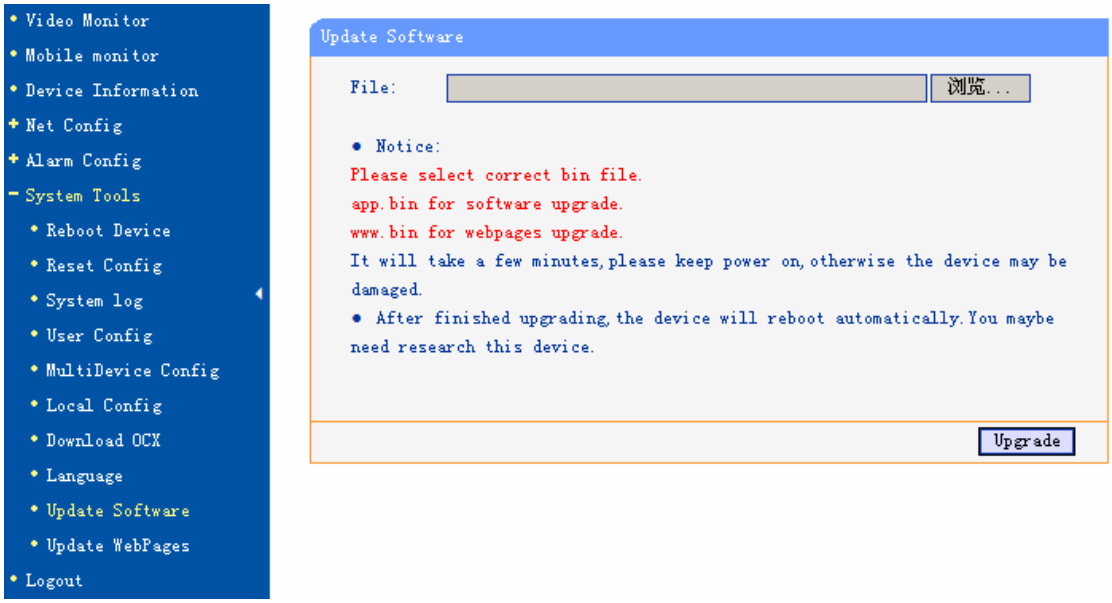
7.6 Download Ocx control

Clicking on the link in this page is available for download ocx control.



7.7 Update Software

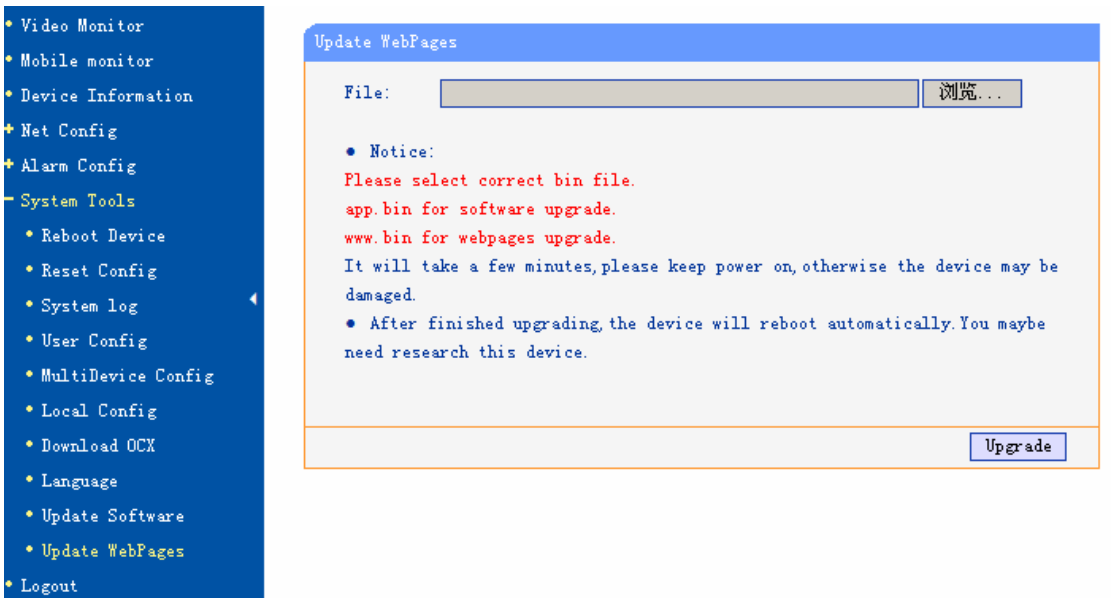
Updating software is to enable users to use the latest software. The upgrade file name is *app.bin*, Click button "Browse" to find out the path where app.bin is stored. You can click to upgrade, the system will show the upgrading files progress, success information will be prompted if upgrading successfully. The new networking camera must be restarted to take the new program effect.



7.8 update the webpages

Updating web page is mainly to upgrade the appearance of web pages, file name for upgrading www.bin, Click button "Browse" to find out the path where www.bin is stored. You can click to upgrade, the system will show the upgrading files progress, success information will be prompted if upgrading

successfully. The new networking camera must be restarted to take the new program effect.

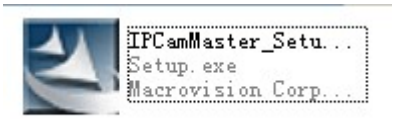


Chapter VIII Logout

Logging out from the current registry, it will return to the login page. Login must be accomplished again if the user wants to operate the equipment again.

How to use IPCamMaster

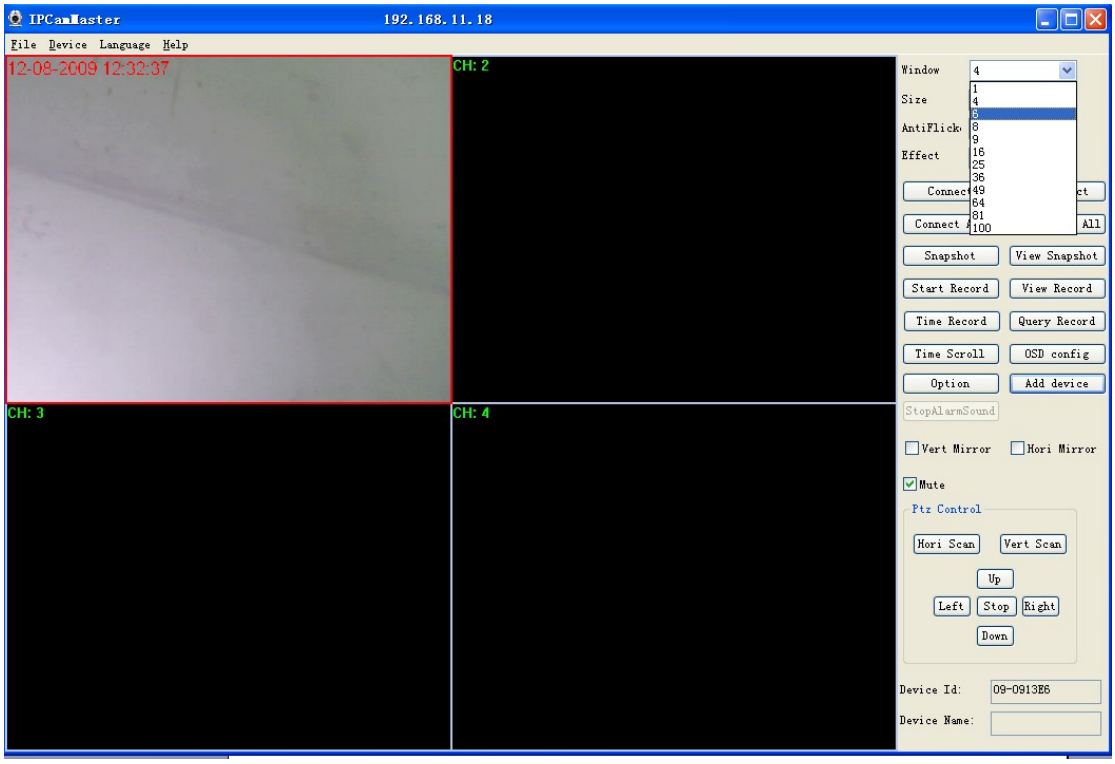
IPCamMaster is used to manage the activities of multiple IPCamera devices, such as photographing, video recording, PTZ(Pan/Tilt/Zoom) control panel operations and etc. With the advanced disk management functionality and old recorded files removing algorithm, IPCamMaster is able to make full use of disk spaces and implement 24-hour non-stop video recording.



Install

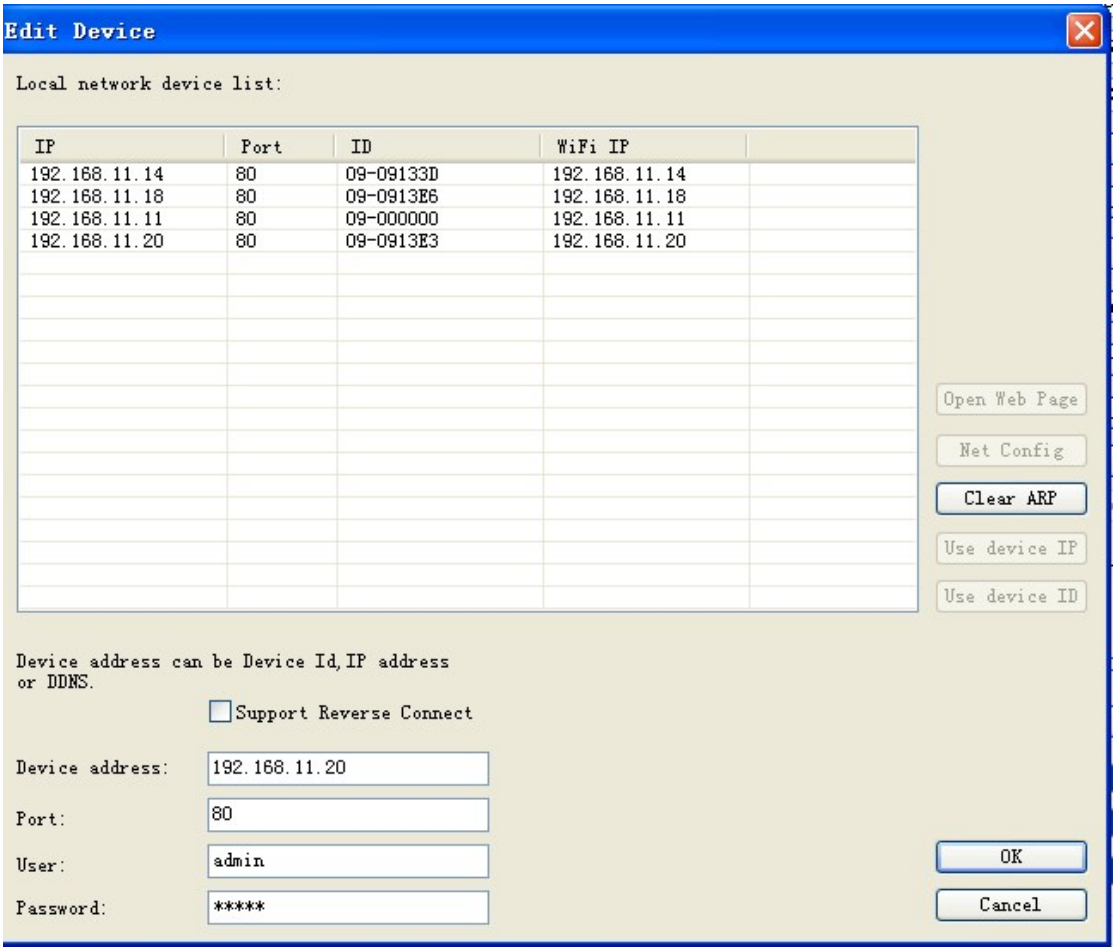
Double click

1)

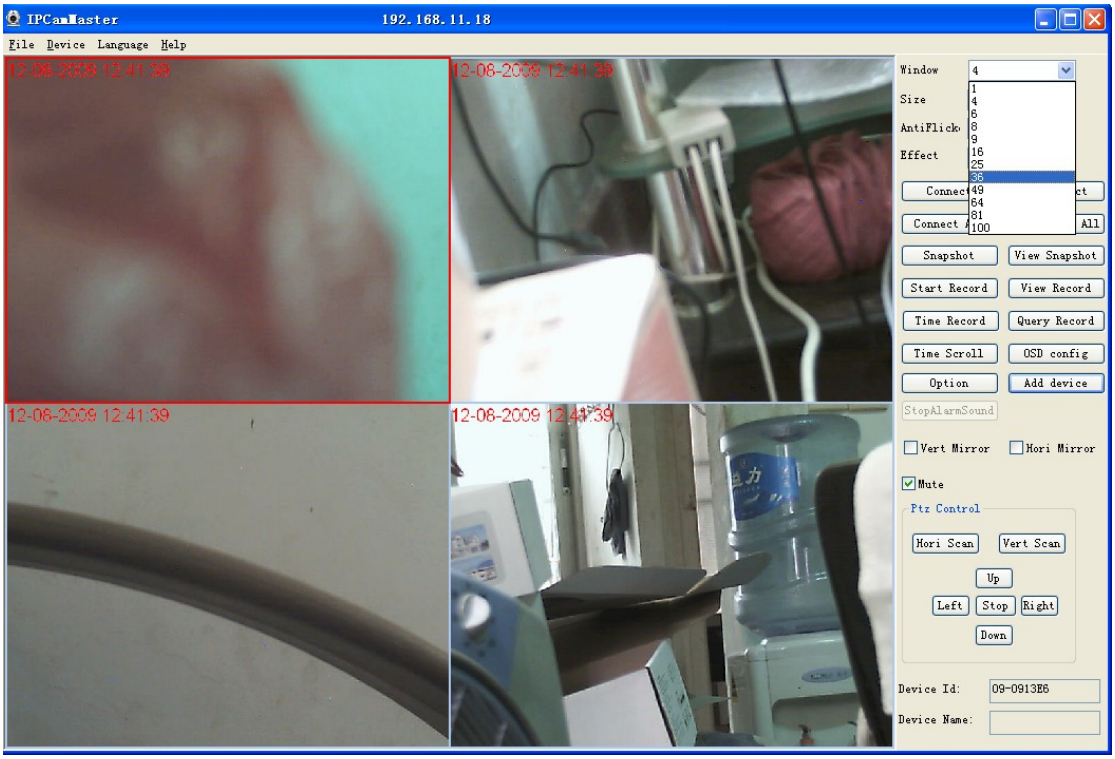


2) Double click

3)


Edit Device
Local network device list:
IP
Port
ID
WiFi IP
192.168.11.14
80
09-09133D
192.168.11.14
192.168.11.18
80
09-0913E6
192.168.11.18
192.168.11.11
80
09-000000
192.168.11.11
192.168.11.20
80
09-0913E3
192.168.11.20
Open Web Page
Net Config
Clear ARP
Use device IP
Use device ID
Device address can be Device Id, IP address or DDNS.
Support Reverse Connect
Device address:
192.168.11.20
Port:
80
User:
admin
Password:
*****
OK
Cancel

4)


IPCamMaster
192.168.11.18
File Device Language Help
12-06-2009 12:41:39
12-06-2009 12:41:39
12-06-2009 12:41:39
12-06-2009 12:41:39
Window
4
Size
AntiFlick
Effect
1
4
6
8
9
16
25
36
49
64
81
100
Snapshot
View Snapshot
Start Record
View Record
Time Record
Query Record
Time Scroll
OSD config
Option
Add device
StopAlarmSound
Vert Mirror
Hori Mirror
Mute
Ptz Control
Hori Scan
Vert Scan
Up
Left
Stop
Right
Down
Device Id:
09-0913E6
Device Name:

Thanks for your buy our products If you any questions please contact me Eamil: Universe-Sword@hotmail.com